

Attorney Docket No.: 740.009US2 (IU-0008)
Inventors: Kwon, Byoung S.
Serial No.: 10/067,122
Filing Date: February 4, 2002
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1-8 (canceled).

Claim 9 (currently amended): ~~A monoclonal~~ An isolated antibody ~~against mouse 4-1BB which specifically recognizes an epitope on the extracellular domain of~~ that binds to mouse receptor protein 4-1BB comprising the amino acid sequence of SEQ ID NO:2.

Claim 10 (currently amended): The ~~monoclonal~~ antibody of claim 9 wherein said ~~monoclonal~~ antibody is produced from a hybridoma identified as 53A2 and deposited at the American Type Culture Collection ~~at 12301 Parklawn Drive, Rockville, Maryland 20852~~ under ATCC No.: HB-11248.

Claim 11 (currently amended): A hybridoma ~~of~~ capable of producing ~~a monoclonal~~ an antibody ~~against mouse 4-1BB which specifically recognizes an epitope on the extracellular domain of mouse receptor protein 4-1BB~~ of claim 9.

Claim 12 (currently amended): The hybridoma of claim 11 wherein said hybridoma is identified as 53A2 and deposited at the American Type Culture Collection ~~at 12301 Parklawn Drive, Rockville, Maryland~~ under ATCC No.: HB-11248.

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Claim 13-21 (canceled).

Claim 22 (currently amended): ~~A polyclonal~~ The antibody
~~against mouse 4-1BB which specifically recognizes and epitope on~~
~~the extracellular domain of mouse receptor protein 4-1BB of claim~~
9, wherein said antibody is polyclonal.

Claim 23 (currently amended): The ~~polyclonal~~ antibody of
claim 22 which specifically ~~recognizes the~~ binds to an epitope ~~on~~
comprising amino acid residues 105-115 or 133-157 of 4-1BB SEQ ID
NO:2.

Claim 24 (currently amended): The ~~monoclonal~~ antibody of
claim 9 ~~which binds to the extracellular domain of SEQ ID NO:2,~~
wherein said antibody is monoclonal.

Claim 25 (canceled).